

Docket No. AT9-98-920

CLAIMS:

What is claimed is:

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1. A method of processing a source code statement written in a programming language, the method comprising the computer-implemented steps of:
- 10 parsing a document type definition file for a markup language;
- 15 parsing a source code statement from a source code file;
- selecting an element defined in the document type definition file based on an association between the element and an identifier of a routine in the source code statement; and
- writing the selected element to a markup language file.
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2. The method of claim 1 wherein the source code statement comprises parameters for the routine and wherein the element comprises an attribute list corresponding to the parameters.
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3. The method of claim 2 wherein the selected element written to the markup language file comprises an attribute list of values for the parameters passed to the routine.
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4. The method of claim 1 wherein the routine is a procedure, subroutine, function, method, class, or software object.
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~~attribute list corresponding to values for the parameters
passed to the routine.~~

10. The method of claim 9 wherein the routine is an extended class method.

12. A data processing system for processing a source
code statement written in a programming language, the
15 data processing system comprising:

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second parsing means for parsing a source code
statement from a source code file;
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25 writing means for writing the selected element to a
markup language file.

13. The data processing system of claim 12 wherein the
source code statement comprises parameters for the
routine and wherein the element comprises an attribute
list corresponding to the parameters.

14. The data processing system of claim 13 wherein the selected element written to the markup language file comprises an attribute list of values for the parameters passed to the routine.

15. The data processing system of claim 12 wherein the routine is a procedure, subroutine, function, method, class, or software object.

second parsing means for parsing a markup language
15 element from a markup language file;
selecting means for selecting an element defined in
the document type definition file that is equivalent to
the markup language element from the markup language
file;

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30 parsing means for parsing a document type definition
file for a markup language;

selecting means for selecting an element defined in the document type definition file based on a routine called by the application program; and

18. The data processing system of claim 17 wherein the element comprises an attribute list of parameters for the routine.

19. The data processing system of claim 17 wherein the selected element written to the markup language file comprises an attribute list of values for the parameters passed to the routine.

20. The data processing system of claim 17 wherein the application program is written in Java programming language.

22. The data processing system of claim 20 wherein the routine is a Graphics class method.

23. A computer program product in a computer readable medium for use in a data processing system for processing a source code statement written in a programming language, the computer program product comprising:

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30      first instructions for parsing a document type
      definition file for a markup language;\

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second instructions for parsing a source code
statement from a source code file;
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fourth instructions for writing the selected element
to a markup language file.

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first instructions for parsing a document type
15 definition file for the markup language;

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third instructions for selecting an element defined
in the document type definition file that is equivalent
20 to the markup language element from the markup language
file;

25 fifth instructions for writing the source code
statement to an output file.

25. A computer program product on a computer readable medium for use in a data processing system for processing a markup language file, the computer program product comprising:

Docket No. AT9-98-920

first instructions for executing an application program;

second instructions for parsing a document type definition file for a markup language;

- 5 third instructions for selecting an element defined in the document type definition file based on a routine called by the application program; and
fourth instructions for writing the selected element to a markup language file.

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26. A method of processing a source code statement written in a programming language, the method comprising the computer-implemented steps of:

- 15 parsing a grammar input file for a markup language;
parsing a source code statement from a source code file;

- 20 selecting a language syntax construct defined in the grammar input file based on an association between the language syntax construct and an identifier of a routine in the source code statement; and

writing the selected language syntax construct to a markup language file.

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